

WEST Search History

DATE: Monday, February 03, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L2	L1 and (Ghrelin\$ or antagonist)	30	L2
L1	(deghenghi)	133	L1

END OF SEARCH HISTORY

Connecting via Winsock to Dialog

Logging in to Dialog

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

ENTER PASSWORD:

Welcome to DIALOG

Dialog level 02.12.40D

Last logoff: 30jan03 18:42:48

Logon file405 03feb03 11:26:35

*** ANNOUNCEMENT ***

--File 515 D&B Dun's Electronic Business Directory is now online
completely updated and redesigned. For details, see HELP NEWS 515.

--File 990 - NewsRoom now contains October 2002-to present records.
File 993 - NewsRoom archive contains 2002 records from January 2002-
September 2002. To search all 2002 records, BEGIN 990,993 or B NEWS2002

--Alerts have been enhanced to allow a single Alert profile to be
stored and run against multiple files. Duplicate removal is available
across files and for up to 12 months. The Alert may be run according
to the file's update frequency or according to a custom
calendar-based schedule. There are no additional prices for these
enhanced features. See HELP ALERT for more information.

--U.S. Patents Fulltext (File 654) has been redesigned with
new search and display features. See HELP NEWS 654 for
information.

--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.

--CLAIMS/US Patents (Files 340,341, 942) have been enhanced
with both application and grant publication level in a
single record. See HELP NEWS 340 for information.

--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.

--Important news for public and academic
libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

For information about the access to file 43 please see Help News43.

NEW FILES RELEASED

***Dialog NewsRoom - Current 3-4 months (File 990)

***Dialog NewsRoom - 2002 Archive (File 993)

***Dialog NewsRoom - 2001 Archive (File 994)

***Dialog NewsRoom - 2000 Archive (File 995)

***TRADEMARKSCAN-Finland (File 679)

***TRADEMARKSCAN-Norway (File 678)

***TRADEMARKSCAN-Sweden (File 675)

UPDATING RESUMED

***Delphes European Business (File 481)

RELOADED

***D&B Dun's Electronic Business Directory (File 515)
***U.S. Patents Fulltext 1976-current (File 654)
***Population Demographics (File 581)
***Kompass Western Europe (File 590)
***D&B - Dun's Market Identifiers (File 516)

REMOVED

***Chicago Tribune (File 632)
***Fort Lauderdale Sun Sentinel (File 497)
***The Orlando Sentinel (File 705)
***Newport News Daily Press (File 747)
***U.S. Patents Fulltext 1980-1989 (File 653)
***Washington Post (File 146)
***Books in Print (File 470)
***Court Filings (File 793)
***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)

***TOXNET data is added to ToxFile (F156)

New document supplier

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

```
>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>>   of new databases, price changes, etc.    <<<
*****  
* * New CURRENT Year ranges installed  **  
SYSTEM:HOME  
Cost is in DialUnits  
Menu System II: D2 version 1.7.8 term=ASCII  
*** DIALOG HOMEBASE(SM) Main Menu ***
```

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

(c) 2000 The Dialog Corporation plc All rights reserved.

/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).
? b 410

```
03feb03 11:26:36 User268147 Session D38.1
$0.00 0.161 DialUnits FileHomeBase
$0.00 Estimated cost FileHomeBase
$0.00 Estimated cost this search
$0.00 Estimated total session cost 0.161 DialUnits
```

File 410:Chronolog(R) 1981-2002/Nov
(c) 2002 The Dialog Corporation

Set Items Description

? set hi %%%;set hi %%%
HIGHLIGHT set on as "

HIGHLIGHT set on as "
? b 5, 34, 155, 172
03feb03 11:26:51 User268147 Session D38.2
\$0.00 0.071 DialUnits File410
\$0.00 Estimated cost File410
\$0.06 TELNET
\$0.06 Estimated cost this search
\$0.06 Estimated total session cost 0.232 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2003/Jan W4
(c) 2003 BIOSIS
*File 5: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jan W4
(c) 2003 Inst for Sci Info
*File 34: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 155:MEDLINE(R) 1966-2003/Jan W4
File 172:EMBASE Alert 2003/Jan W4
(c) 2003 Elsevier Science B.V.

Set Items Description
--- -----
? e au=deghenghi

Ref Items Index-term
E1 1 AU=DEGHELT ARNAUD
E2 1 AU=DEGHELTOFF NU
E3 1 *AU=DEGHENGHI
E4 364 AU=DEGHENGHI R
E5 8 AU=DEGHENGHI R.
E6 89 AU=DEGHENGHI ROMANO
E7 1 AU=DEGHER D
E8 2 AU=DEGHETALDI L D
E9 4 AU=DEGHETTO D
E10 1 AU=DEGHETTO D L
E11 2 AU=DEGHETTO G
E12 1 AU=DEGHETTO KA

Enter P or PAGE for more
? s e3 or e4 or e5 or e6
1 AU=DEGHENGHI
364 AU=DEGHENGHI R
8 AU=DEGHENGHI R.
89 AU=DEGHENGHI ROMANO
S1 462 AU='DEGHENGHI' OR AU='DEGHENGHI R' OR AU='DEGHENGHI R.'
OR AU='DEGHENGHI ROMANO'
? s s1 and (ghrelin? or antagonist?)
462 S1
1036 GHRELIN?
769260 ANTAGONIST?
S2 165 S1 AND (GHRELIN? OR ANTAGONIST?)
? s s2 and ghrelin?
165 S2
1036 GHRELIN?
S3 94 S2 AND GHRELIN?
? type s3/free/all

3/8/1 (Item 1 from file: 5)
14078111 BIOSIS NO.: 200300072140
Ghrelin-induced GH secretion in normal subjects is partially resistant to homologous desensitization by GH-releasing peptide-6.
2002

3/8/2 (Item 2 from file: 5)
14056955 BIOSIS NO.: 200300050984
Ghrelin and des-acyl ghrelin inhibit cell death in cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT.

2002

3/8/3 (Item 3 from file: 5)
14046143 BIOSIS NO.: 200300040172
Ghrelin protects against ethanol-induced gastric ulcers in rats:
Studies on the mechanisms of action.
2003

3/8/4 (Item 4 from file: 5)
14013609 BIOSIS NO.: 200300007638
Natural (ghrelin) and synthetic (hexarelin) GH secretagogues
stimulate H9c2 cardiomyocyte cell proliferation.
2002

3/8/5 (Item 5 from file: 5)
13946393 BIOSIS NO.: 200200575214
Ghrelin secretion is inhibited by either somatostatin or cortistatin
in humans.
2002

3/8/6 (Item 6 from file: 5)
13921507 BIOSIS NO.: 200200550328
Ghrelin injected into the paraventricular nucleus of the hypothalamus
of male rats induces feeding but not penile erection.
2002

3/8/7 (Item 7 from file: 5)
13899972 BIOSIS NO.: 200200528793
EP1572: A novel peptido-mimetic GH secretagogue with potent and selective
GH-releasing activity in man.
2002

3/8/8 (Item 8 from file: 5)
13862410 BIOSIS NO.: 200200491231
Endocrine activities of cortistatin-14 and its interaction with GHRH and
ghrelin in humans.
2002

3/8/9 (Item 9 from file: 5)
13718302 BIOSIS NO.: 200200347123
Neuroendocrine and peripheral activities of ghrelin: Implications in
metabolism and obesity.
2002

3/8/10 (Item 10 from file: 5)
13650114 BIOSIS NO.: 200200278935
Expression of ghrelin and of the GH secretagogue receptor by
pancreatic islet cells and related endocrine tumors.
2002

3/8/11 (Item 11 from file: 5)
13645012 BIOSIS NO.: 200200273833
Short ghrelin peptides neither displace ghrelin binding in
vitro nor stimulate GH release in vivo.
2002

3/8/12 (Item 12 from file: 5)
13620909 BIOSIS NO.: 200200249730
Evidence for a central inhibitory role of growth hormone secretagogues and
ghrelin on gastric acid secretion in conscious rats.

2002

3/8/13 (Item 13 from file: 5)
13512700 BIOSIS NO.: 200200141521
The antiproliferative effect of synthetic peptidyl GH secretagogues in human CALU-1 lung carcinoma cells.
2002

3/8/14 (Item 14 from file: 5)
13319920 BIOSIS NO.: 200100527069
Ghrelin, a natural GH secretagogue produced by the stomach, induces hyperglycemia and reduces insulin secretion in humans.
2001

3/8/15 (Item 15 from file: 5)
13319916 BIOSIS NO.: 200100527065
Ghrelin-producing endocrine tumors of the stomach and intestine.
2001

3/8/16 (Item 16 from file: 5)
13035656 BIOSIS NO.: 200100242805
Identification, characterization, and biological activity of specific receptors for natural (ghrelin) and synthetic growth hormone secretagogues and analogs in human breast carcinomas and cell lines.
2001

3/8/17 (Item 17 from file: 5)
13025986 BIOSIS NO.: 200100233135
Binding of 125I-labeled ghrelin to membranes from human hypothalamus and pituitary gland.
2001

3/8/18 (Item 18 from file: 5)
13013592 BIOSIS NO.: 200100220741
Biologic activities of growth hormone secretagogues in humans.
2001

3/8/19 (Item 19 from file: 5)
13013586 BIOSIS NO.: 200100220735
Growth hormone-releasing hormone and growth hormone secretagogue-receptor ligands: Focus on reproductive system.
2001

3/8/20 (Item 20 from file: 5)
12983358 BIOSIS NO.: 200100190507
Endocrine activities of ghrelin, a natural growth hormone secretagogue (GHS), in humans: Comparison and interactions with hexarelin, a nonnatural peptidyl GHS, and GH-releasing hormone.
2001

3/8/21 (Item 21 from file: 5)
12921210 BIOSIS NO.: 200100128359
Cortistatin, but not somatostatin, binds to growth hormone secretagogue (GHS) receptors of human pituitary gland.
2001

3/8/22 (Item 22 from file: 5)
12761414 BIOSIS NO.: 200000515037
Growth hormone secretagogue binding sites in peripheral human tissues.
2000

3/8/23 (Item 23 from file: 5)
12760233 BIOSIS NO.: 200000513856
Preliminary evidence that Ghrelin, the natural GH secretagogue
(GHS)-receptor ligand, strongly stimulates GH secretion in humans.
2000

3/8/24 (Item 1 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11286351 Genuine Article#: 631RK Number of References: 58
Title: Acetylcholine does not play a major role in mediating the endocrine
responses to ghrelin, a natural ligand of the GH secretagogue
receptor, in humans (ABSTRACT AVAILABLE)
Publication date: 20030100
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUES; GASTRIC-ACID
SECRETION; (GH)-RELEASING PEPTIDE; CIRCULATING GHRELIN;
ENERGY-BALANCE; RELEASE; RAT; STOMACH; SOMATOSTATIN; PANCREAS

3/8/25 (Item 2 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11270455 Genuine Article#: 631CT Number of References: 39
Title: Ghrelin and des-acyl ghrelin inhibit cell death in
cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT
(ABSTRACT AVAILABLE)
Publication date: 20021223
Journal Subject Category: CELL BIOLOGY
Descriptors--Author Keywords: ghrelin ; apoptosis ; heart ; ERKs ;
Akt
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; HEART-FAILURE;
MYOCARDIAL-ISCHEMIA; MEDIATED APOPTOSIS; NATURAL GHRELIN;
HEXARELIN; INSULIN; PEPTIDE; KINASE; RATS

3/8/26 (Item 3 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11265801 Genuine Article#: 631PL Number of References: 41
Title: Ghrelin protects against ethanol-induced gastric ulcers in
rats: Studies on the mechanisms of action (ABSTRACT AVAILABLE)
Publication date: 20030100
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GENE-RELATED PEPTIDE; ACYLATED PEPTIDE;
NITRIC-OXIDE; GASTROINTESTINAL-TRACT; NERVOUS-SYSTEM; ACID SECRETION;
GH SECRETION; FOOD-INTAKE; CAPSAICIN; INNERVATION

3/8/27 (Item 4 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11251124 Genuine Article#: 626VH Number of References: 48
Title: Ghrelin: Endocrine and non-endocrine actions (ABSTRACT
AVAILABLE)
Publication date: 20021200
Journal Subject Category: ENDOCRINOLOGY & METABOLISM; PEDIATRICS
Descriptors--Author Keywords: ghrelin ; growth hormone ; growth
hormone secretagogues ; insulin-like growth factor-I ; food intake ;
cardiovascular system ; cancer ; metabolism
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; CIRCULATING
GHRELIN; PEPTIDE RECEPTOR; HUMAN PITUITARY; GH SECRETION; I AXIS;
STOMACH; MK-677; HEXARELIN; LIGAND

3/8/28 (Item 5 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11245380 Genuine Article#: 626AU Number of References: 38
Title: Ghrelin-induced GH secretion in normal subjects is partially
resistant to homologous desensitization by GH-releasing peptide-6 (ABSTRACT AVAILABLE)
Publication date: 20021200
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; SYNTHETIC
HEXAPEPTIDE; ACYLATED PEPTIDE; HUMANS; HEXARELIN; PITUITARY; RECEPTOR;
STOMACH; RATS; HYPOTHALAMUS

3/8/29 (Item 6 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11139391 Genuine Article#: 614ZB Number of References: 52
Title: Ghrelin and synthetic GH secretagogues (ABSTRACT AVAILABLE)
Publication date: 20020900
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: ghrelin ; GH secretagogues ; growth
hormone ; IGF-I ; GH deficiency ; childhood ; short stature
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE;
PITUITARY-ADRENAL AXIS; ACYLATED PEPTIDE; ELDERLY SUBJECTS; NATURAL
GHRELIN; SHORT CHILDREN; I AXIS; RECEPTOR; HEXARELIN; SECRETION

3/8/30 (Item 7 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11123733 Genuine Article#: 609LL Number of References: 0
Title: Effect of ghrelin on anterior pituitary function in patients
with anorexia nervosa
Publication date: 20021000
Journal Subject Category: CLINICAL NEUROLOGY; NEUROSCIENCES; PHARMACOLOGY &
PHARMACY; PSYCHIATRY

3/8/31 (Item 8 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11110458 Genuine Article#: 607WY Number of References: 47
Title: Natural (ghrelin) and synthetic (hexarelin) GH secretagogues
stimulate H9c2 cardiomyocyte cell proliferation (ABSTRACT AVAILABLE)
Publication date: 20021000
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): HORMONE-RELEASING PEPTIDE;
CARDIAC-MUSCLE-CELLS; GROWTH-FACTOR-I; BINDING-SITES; VENTRICULAR
DYSFUNCTION; NEUROTENSIN RECEPTORS; HYDROGEN-PEROXIDE; RAT-HEART;
PITUITARY; IDENTIFICATION

3/8/32 (Item 9 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11092434 Genuine Article#: 606PT Number of References: 47
Title: Impact of two or three daily subcutaneous injections of hexarelin, a
synthetic growth hormone (GH) secretagogue, on 24-h GH, prolactin,
adrenocorticotropin and cortisol secretion in humans (ABSTRACT
AVAILABLE)
Publication date: 20020300
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): CLINICAL RESEARCH-CENTER; FACTOR-I AXIS;
RESPONSE ATTENUATION; CONTINUOUS-INFUSION; ACYLATED PEPTIDE; ELDERLY
SUBJECTS; YOUNG MEN; PULSATILE; GHRELIN; RELEASE

3/8/33 (Item 10 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11077488 Genuine Article#: 604YZ Number of References: 26

Title: Ghrelin secretion is inhibited by either somatostatin or cortistatin in humans (ABSTRACT AVAILABLE)
Publication date: 20021000
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; STOMACH; RECEPTOR; FAMILY

3/8/34 (Item 11 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11018652 Genuine Article#: 595JA Number of References: 20
Title: Ghrelin injected into the paraventricular nucleus of the hypothalamus of male rats induces feeding but not penile erection (ABSTRACT AVAILABLE)
Publication date: 20020906
Journal Subject Category: NEUROSCIENCES
Descriptors--Author Keywords: ghrelin ; EP 80661 ; growth hormone (GH) secretagogue receptors ; feeding ; penile erection ; paraventricular nucleus
Identifiers--KeyWord Plus(R): HORMONE SECRETAGOGUE RECEPTOR; HEXARELIN ANALOGS; NITRIC-OXIDE; PEPTIDE; PITUITARY; RELEASE; BRAIN

3/8/35 (Item 12 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10980605 Genuine Article#: 593EN Number of References: 9
Title: EP1572: A novel peptido-mimetic GH secretagogue with potent and selective GH-releasing activity in man (ABSTRACT AVAILABLE)
Publication date: 20020900
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: synthetic GH secretagogues ; GH ; ghrelin receptors ; oral administration ; humans
Identifiers--KeyWord Plus(R): PITUITARY-GLAND; HORMONE; GHRELIN; HEXARELIN

3/8/36 (Item 13 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10902639 Genuine Article#: 583QJ Number of References: 51
Title: Effects of acute hexarelin administration on cardiac performance in patients with coronary artery disease during by-pass surgery (ABSTRACT AVAILABLE)
Publication date: 20020719
Journal Subject Category: PHARMACOLOGY & PHARMACY
Descriptors--Author Keywords: hexarelin ; GH secretagogue ; ghrelin ; GHRH (growth hormone-releasing hormone) ; cardiac performance ; coronary artery disease
Identifiers--KeyWord Plus(R): GROWTH-FACTOR-I; CHRONIC HEART-FAILURE; ACUTE MYOCARDIAL-INFARCTION; HORMONE-RELEASING PEPTIDES; DILATED CARDIOMYOPATHY; DOSE-RESPONSE; BINDING-SITES; IGF-I; HUMANS; SECRETAGOGUES

3/8/37 (Item 14 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10890942 Genuine Article#: 581HG Number of References: 43
Title: Endocrine activities of cortistatin-14 and its interaction with GHRH and ghrelin in humans (ABSTRACT AVAILABLE)
Publication date: 20020800
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; PITUITARY-GLAND; BINDING-SITES; SOMATOSTATIN; PEPTIDE; RECEPTORS; SECRETION; STOMACH; IDENTIFICATION; EXPRESSION

3/8/38 (Item 15 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10867965 Genuine Article#: 579VZ Number of References: 49

Title: Effects of glucose, free fatty acids or arginine load on the
GH-releasing activity of ghrelin in humans (ABSTRACT AVAILABLE)

Publication date: 20020800

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; ACYLATED
PEPTIDE; (GH)-RELEASING PEPTIDE; NATURAL GHRELIN;
PITUITARY-GLAND; SECRETION; SOMATOSTATIN; HEXARELIN; MODULATION;
RECEPTORS

3/8/39 (Item 16 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10828373 Genuine Article#: 564CK Number of References: 43

Title: Endocrine responses to ghrelin in adult patients with isolated
childhood-onset growth hormone deficiency (ABSTRACT AVAILABLE)

Publication date: 20020600

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GH-RELEASING HORMONE; SECRETAGOGUE RECEPTOR;
PROVOCATIVE TESTS; ENDOGENOUS LIGAND; PEPTIDE HEXARELIN; NATURAL
GHRELIN; SECRETION; HUMANS; DIAGNOSIS; IDENTIFICATION

3/8/40 (Item 17 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10655971 Genuine Article#: 553BJ Number of References: 166

Title: Neuroendocrine and peripheral activities of ghrelin:
implications in metabolism and obesity (ABSTRACT AVAILABLE)

Publication date: 20020412

Journal Subject Category: PHARMACOLOGY & PHARMACY

Descriptors--Author Keywords: ghrelin ; growth hormone secretagogue ;
pituitary hormone ; food intake, control of ; metabolic fuel ; obesity

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; GH-RELEASING
PEPTIDE-6; HYPOTHALAMIC ARCUATE NUCLEUS; CENTRAL-NERVOUS-SYSTEM;
CHRONIC CENTRAL INFUSION; MOTILIN-RELATED PEPTIDE; GASTRIC-ACID
SECRETION; MESSENGER-RNA LEVELS; PITUITARY-GLAND; NEUROPEPTIDE-Y

3/8/41 (Item 18 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10654084 Genuine Article#: 553TT Number of References: 36

Title: The GH-releasing effect of ghrelin, a natural GH secretagogue,
is only blunted by the infusion of exogenous somatostatin in humans (ABSTRACT AVAILABLE)

Publication date: 20020500

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUES; (GH)-RELEASING
PEPTIDE; ENDOGENOUS LIGAND; SECRETION; PITUITARY; RECEPTOR; STOMACH;
HYPOTHALAMUS; ACTIVATION; HEXARELIN

3/8/42 (Item 19 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10573500 Genuine Article#: 544QB Number of References: 23

Title: Short ghrelin peptides neither displace ghrelin binding
in vitro nor stimulate GH release in vivo (ABSTRACT AVAILABLE)

Publication date: 20020500

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): HORMONE SECRETAGOGUE RECEPTOR;
PITUITARY-GLAND; INFANT RATS; GROWTH; SECRETION; HYPOTHALAMUS;
HEXARELIN; ADENOSINE; AGONIST; HUMANS

3/8/43 (Item 20 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10513983 Genuine Article#: 535DR Number of References: 109
Title: Natural and synthetic growth hormone secretagogues: Endocrine and nonendocrine activities suggesting their potential usefulness as anti-aging drug interventions (ABSTRACT AVAILABLE)

Publication date: 20010100

Journal Subject Category: GERIATRICS & GERONTOLOGY

Identifiers--KeyWord Plus(R): FACTOR-I AXIS; GH-RELEASING PEPTIDE; BINDING-SITES; ACYLATED PEPTIDE; ELDERLY SUBJECTS; FOOD-INTAKE; GHRELIN; HEXARELIN; RATS; SECRETION

3/8/44 (Item 21 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10495999 Genuine Article#: 534ZX Number of References: 56
Title: Expression of ghrelin and of the GH secretagogue receptor by pancreatic islet cells and related endocrine tumors (ABSTRACT AVAILABLE)

Publication date: 20020300

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; NEUROENDOCRINE TUMORS; ACYLATED PEPTIDE; GENE-EXPRESSION; BINDING-SITES; MESSENGER-RNA; SECRETION; RATS; TISSUES; IDENTIFICATION

3/8/45 (Item 22 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10464909 Genuine Article#: 529KP Number of References: 31
Title: Evidence for a central inhibitory role of growth hormone secretagogues and ghrelin on gastric acid secretion in conscious rats (ABSTRACT AVAILABLE)

Publication date: 20020200

Journal Subject Category: ENDOCRINOLOGY & METABOLISM; NEUROSCIENCES

Descriptors--Author Keywords: growth hormone secretagogues ; ghrelin ; cysteamine ; somatostatin ; gastric acid secretion

Identifiers--KeyWord Plus(R): ACYLATED PEPTIDE; ARCUATE NUCLEUS; RELEASE; RECEPTOR; PITUITARY; HEXARELIN; BRAIN

3/8/46 (Item 23 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10327967 Genuine Article#: 514KA Number of References: 39
Title: The antiproliferative effect of synthetic peptidyl GH secretagogues in human CALU-1 lung carcinoma cells (ABSTRACT AVAILABLE)

Publication date: 20020200

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; BINDING-SITES; NEUROTENSIN RECEPTORS; IDENTIFICATION; PITUITARY; GHRELIN; HEXARELIN; SECRETION; CLONING

3/8/47 (Item 24 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10108783 Genuine Article#: 485LG Number of References: 30
Title: Ghrelin, a natural GH secretagogue produced by the stomach, induces hyperglycemia and reduces insulin secretion in humans (ABSTRACT AVAILABLE)

Publication date: 20011100

Journal Subject Category: ENDOCRINOLOGY & METABOLISM

Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUES; PITUITARY-ADRENAL AXIS; ACYLATED PEPTIDE; BINDING-SITES; RATS; RELEASE

3/8/48 (Item 25 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10108777 Genuine Article#: 485LG Number of References: 44
Title: Ghrelin-producing endocrine tumors of the stomach and intestine (ABSTRACT AVAILABLE)
Publication date: 20011000
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): GROWTH-HORMONE SECRETAGOGUE; NEUROENDOCRINE TUMORS; GASTRIC CARCINOIDS; ACYLATED PEPTIDE; BINDING-SITES; GH SECRETION; RATS; EXPRESSION; HUMANS

3/8/49 (Item 26 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09601310 Genuine Article#: 424QM Number of References: 35
Title: Identification, characterization, and biological activity of specific receptors for natural (ghrelin) and synthetic growth hormone secretagogues and analogs in human breast carcinomas and cell lines (ABSTRACT AVAILABLE)
Publication date: 20010400
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): BINDING-SITES; NEUROTENSIN RECEPTORS; PEPTIDE RECEPTOR; PITUITARY; EXPRESSION; SECRETION; ENDOCRINE; TISSUES; CLONING; TUMORS

3/8/50 (Item 27 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09541312 Genuine Article#: 418DM Number of References: 14
Title: Binding of I-125-labeled ghrelin to membranes from human hypothalamus and pituitary gland (ABSTRACT AVAILABLE)
Publication date: 20010300
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: ghrelin ; GH secretagogues (GHS) ; GHS analogs ; cortistatin ; somatostatin ; vapreotide ; pituitary ; hypothalamus ; receptors
Identifiers--KeyWord Plus(R): GROWTH-HORMONE; GH SECRETION

3/8/51 (Item 28 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09536873 Genuine Article#: 418EB Number of References: 82
Title: Biologic activities of growth hormone secretagogues in humans (ABSTRACT AVAILABLE)
Publication date: 20010200
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: growth hormone secretagogues ; prolactin ; adrenocorticotrophic hormone ; cortisol ; cardiovascular system ; thyroid gland
Identifiers--KeyWord Plus(R): GH-RELEASING HORMONE; PITUITARY-ADRENAL AXIS; SYNTHETIC HEXAPEPTIDE; NEUROTENSIN RECEPTORS; PEPTIDE HEXARELIN; CUSHINGS-SYNDROME; CARDIAC ISCHEMIA; ELDERLY SUBJECTS; DEFICIENT RATS; NEUROPEPTIDE-Y

3/8/52 (Item 29 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09536867 Genuine Article#: 418EB Number of References: 135
Title: Growth hormone-releasing hormone and growth hormone secretagogue-receptor ligands - Focus on reproductive system (ABSTRACT AVAILABLE)
Publication date: 20010200
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: growth hormone-releasing hormone ; growth hormone secretagogues ; prolactin ; adrenocorticotrophic hormone ; cortisol ; central nervous system
Identifiers--KeyWord Plus(R): MESSENGER-RIBONUCLEIC-ACID; PEPTIDYL GH

SECRETAGOGUE; SYNTHETIC HEXAPEPTIDE; GENE-EXPRESSION; SERTOLI-CELL; FACTOR-I; IMMUNOREACTIVE SOMATOSTATIN; NEUROTENSIN RECEPTORS; (GH)-RELEASING FACTOR; TESTICULAR FUNCTION

3/8/53 (Item 30 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09503800 Genuine Article#: 411RA Number of References: 27
Title: Endocrine activities of ghrelin, a natural growth hormone secretagogue (GHS), in humans: Comparison and interactions with hexarelin, a nonnatural peptidyl GHS, and GH-releasing hormone (ABSTRACT AVAILABLE)
Publication date: 20010300
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): PITUITARY-ADRENAL AXIS; DOSE-RESPONSE; SECRETION; CORTISOL; RECEPTOR; ADRENOCORTICOTROPIN; VASOPRESSIN; LIGAND

3/8/54 (Item 31 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09384778 Genuine Article#: 400PK Number of References: 14
Title: Cortistatin, but not somatostatin, binds to growth hormone secretagogue (GHS) receptors of human pituitary gland (ABSTRACT AVAILABLE)
Publication date: 20010100
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: cortistatin ; somatostatin ; ghrelin ; hexarelin ; pituitary receptors
Identifiers--KeyWord Plus(R): PEPTIDE

3/8/55 (Item 32 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09067276 Genuine Article#: 363DY Number of References: 33
Title: Growth hormone secretagogue binding sites in peripheral human tissues (ABSTRACT AVAILABLE)
Publication date: 20001000
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Identifiers--KeyWord Plus(R): NEUROTENSIN RECEPTORS; PEPTIDE RECEPTOR; HEXARELIN; PITUITARY; IDENTIFICATION; ANALOGS; RELEASE; CLONING; TUMORS; BRAIN

3/8/56 (Item 33 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

09022011 Genuine Article#: 357LY Number of References: 10
Title: Preliminary evidence that Ghrelin, the natural GH secretagogue (GHS)-receptor ligand, strongly stimulates GH secretion in humans (ABSTRACT AVAILABLE)
Publication date: 20000900
Journal Subject Category: ENDOCRINOLOGY & METABOLISM
Descriptors--Author Keywords: GH ; Ghrelin ; GHRH
Identifiers--KeyWord Plus(R): HORMONE; PEPTIDES

3/8/57 (Item 1 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14365289 22345592 PMID: 12457451
Ghrelin -induced GH secretion in normal subjects is partially resistant to homologous desensitization by GH-releasing peptide-6.
Dec 2002
Tags: Comparative Study; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Human Growth Hormone--secretion--SE; *Oligopeptides--pharmacology--PD; *Peptide Hormones--pharmacology--PD; Adult; Drug Administration Schedule; Drug Resistance; Gonadorelin--administration and

dosage--AD; Gonadorelin--pharmacology--PD; Human Growth Hormone--blood--BL
; Injections, Intravenous; Oligopeptides--administration and dosage--AD;
Peptide Hormones--administration and dosage--AD; Random Allocation;
Reference Values
CAS Registry No.: 0 (Oligopeptides); 0 (Peptide Hormones); 0
(ghrelin); 12629-01-5 (Human Growth Hormone); 33515-09-2 (Gonadorelin)
; 87616-84-0 (growth hormone releasing hexapeptide)

3/8/58 (Item 2 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14341585 22376150 PMID: 12488364

Ghrelin protects against ethanol-induced gastric ulcers in rats:
studies on the mechanisms of action.

Jan 2003

Tags: Animal; Male; Support, Non-U.S. Gov't
Descriptors: *Ethanol; *Peptide Hormones--administration and dosage--AD;
*Stomach Ulcer--prevention and control--PC; Capsaicin--administration and
dosage--AD; Denervation; Enzyme Inhibitors--pharmacology--PD; Gastric
Mucosa--chemistry--CH; Gastric Mucosa--innervation--IR; Gastric Mucosa
--pathology--PA; Gastrins--analysis--AN; Immunohistochemistry; Injections,
Intraventricular; Injections, Subcutaneous; NG-Nitroarginine Methyl Ester
--pharmacology--PD; Nitric Oxide--metabolism--ME; Nitric-Oxide Synthase--
antagonists and inhibitors--AI; Peptide Hormones--analysis--AN; Rats;
Rats, Sprague-Dawley; Somatostatin--analysis--AN; Stomach Ulcer--chemically
induced--CI; Stomach Ulcer--pathology--PA; Vagotomy
CAS Registry No.: 0 (Enzyme Inhibitors); 0 (Gastrins); 0 (Peptide
Hormones); 0 (ghrelin); 10102-43-9 (Nitric Oxide); 404-86-4
(Capsaicin); 50903-99-6 (NG-Nitroarginine Methyl Ester); 51110-01-1
(Somatostatin); 64-17-5 (Ethanol)
Enzyme No.: EC 1.14.13.39 (Nitric-Oxide Synthase)

3/8/59 (Item 3 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14294642 22407437 PMID: 12519418

Acetylcholine does not play a major role in mediating the endocrine
responses to ghrelin, a natural ligand of the GH secretagogue
receptor, in humans.

Jan 2003

3/8/60 (Item 4 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14277143 22398750 PMID: 12510973

Ghrelin: endocrine and non-endocrine actions.
Dec 2002

3/8/61 (Item 5 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14219622 22387641 PMID: 12486113

Ghrelin and des-acyl ghrelin inhibit cell death in
cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT.
12 16 2002

3/8/62 (Item 6 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14129026 22267384 PMID: 12379504

Natural (ghrelin) and synthetic (hexarelin) GH secretagogues
stimulate H9c2 cardiomyocyte cell proliferation.

Oct 2002

Tags: Comparative Study; Human; Support, Non-U.S. Gov't
Descriptors: *Myocytes, Cardiac--drug effects--DE; *Oligopeptides

--pharmacology--PD; *Peptide Hormones--pharmacology--PD; Binding, Competitive; Cell Division--drug effects--DE; Cell Line; Dose-Response Relationship, Drug; Growth Hormone--secretion--SE; Protein Binding; Stimulation, Chemical
CAS Registry No.: 0 (EP 80661); 0 (EP80317); 0 (Oligopeptides); 0 (Peptide Hormones); 0 (ghrelin); 140703-51-1 (hexarelin); 9002-72-6 (Growth Hormone)

3/8/63 (Item 7 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14113672 22351760 PMID: 12464231
Ghrelin and synthetic GH secretagogues.
Sep 2002

3/8/64 (Item 8 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13960868 22225205 PMID: 12240910
EP1572: a novel peptido-mimetic GH secretagogue with potent and selective
GH-releasing activity in man.
Sep 2002

3/8/65 (Item 9 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13799838 22250982 PMID: 12364482
Ghrelin secretion is inhibited by either somatostatin or
cortistatin in humans.
Oct 2002
Tags: Human; Male; Support, Non-U.S. Gov't
Descriptors: *Neuropeptides--pharmacology--PD; *Peptides--secretion--SE;
*Somatostatin--pharmacology--PD; Adult; Blood Glucose--metabolism--ME;
Glucagon--blood--BL; Insulin--blood--BL; Kinetics; Peptides--blood--BL;
Placebos; Somatotropin--blood--BL
CAS Registry No.: 0 (Blood Glucose); 0 (Neuropeptides); 0 (Peptides)
; 0 (Placebos); 0 (cortistatin); 0 (ghrelin); 11061-68-0 (Insulin);
12629-01-5 (Somatotropin); 51110-01-1 (Somatostatin); 9007-92-5
(Glucagon)

3/8/66 (Item 10 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13765002 22171140 PMID: 12183044
Ghrelin injected into the paraventricular nucleus of the
hypothalamus of male rats induces feeding but not penile erection.
Sep 6 2002
Tags: Animal; Male; Support, Non-U.S. Gov't
Descriptors: *Feeding Behavior--drug effects--DE; *Paraventricular
Hypothalamic Nucleus--drug effects--DE; *Paraventricular Hypothalamic
Nucleus--physiology--PH; *Penile Erection--drug effects--DE; *Peptides
--pharmacology--PD; Microinjections; Oligopeptides--pharmacology--PD; Rats;
Rats, Sprague-Dawley; Receptors, Somatotropin--physiology--PH
CAS Registry No.: 0 (EP 80661); 0 (Oligopeptides); 0 (Peptides); 0
(Receptors, Somatotropin); 0 (ghrelin)

3/8/67 (Item 11 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13613336 22148601 PMID: 12153607
Effects of glucose, free fatty acids or arginine load on the GH-releasing
activity of ghrelin in humans.
Aug 2002
Tags: Human; Male; Support, Non-U.S. Gov't
Descriptors: *Arginine--pharmacology--PD; *Fatty Acids, Nonesterified

--pharmacology--PD; *Glucose--pharmacology--PD; *Peptides--diagnostic use--DU; *Somatotropin--secretion--SE; Adult; Stimulation, Chemical
CAS Registry No.: 0 (Fatty Acids, Nonesterified); 0 (Peptides); 0 (ghrelin); 50-99-7 (Glucose); 74-79-3 (Arginine); 9002-72-6 (Somatotropin)

3/8/68 (Item 12 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13525956 22067184 PMID: 12072046
Endocrine responses to ghrelin in adult patients with isolated childhood-onset growth hormone deficiency.
Jun 2002
Tags: Human; Male; Support, Non-U.S. Gov't
Descriptors: *Peptides--diagnostic use--DU; *Somatotropin--deficiency--DF ; *Somatotropin--secretion--SE; Adult; Age of Onset; Area Under Curve; Arginine--diagnostic use--DU; Case-Control Studies; Corticotropin--blood --BL; Hydrocortisone--blood--BL; Insulin--diagnostic use--DU; Insulin-Like Growth Factor I--analysis--AN; Prolactin--blood--BL; Somatotropin--blood --BL; Somatotropin-Releasing Hormone--diagnostic use--DU; Stimulation, Chemical
CAS Registry No.: 0 (Peptides); 0 (ghrelin); 11061-68-0 (Insulin); 50-23-7 (Hydrocortisone); 67763-96-6 (Insulin-Like Growth Factor I); 74-79-3 (Arginine); 9002-60-2 (Corticotropin); 9002-62-4 (Prolactin); 9002-72-6 (Somatotropin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/69 (Item 13 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13514083 22171988 PMID: 12183865
Ghrelin: much more than a natural growth hormone secretagogue.
Aug 2002
Tags: Human; Support, Non-U.S. Gov't
Descriptors: *Peptides--physiology--PH; *Somatotropin--secretion--SE; Corticotropin--secretion--SE; Endocrine System--physiology--PH; History of Medicine, 20th Cent.; Peptides--history--HI; Peptides--metabolism--ME; Peptides--therapeutic use--TU; Prolactin--secretion--SE
CAS Registry No.: 0 (Peptides); 0 (ghrelin); 12629-01-5 (Somatotropin); 9002-60-2 (Corticotropin); 9002-62-4 (Prolactin)

3/8/70 (Item 14 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13513812 22151277 PMID: 12161511
Endocrine activities of cortistatin-14 and its interaction with GHRH and ghrelin in humans.
Aug 2002
Tags: Human; Male; Support, Non-U.S. Gov't
Descriptors: *Neuropeptides--administration and dosage--AD; *Peptides--administration and dosage--AD; *Somatotropin-Releasing Hormone--administration and dosage--AD; Adult; Blood Glucose; Corticotropin--blood --BL; Drug Interactions; Hydrocortisone--blood--BL; Insulin--blood--BL; Insulin--secretion--SE; Islets of Langerhans--drug effects--DE; Islets of Langerhans--metabolism--ME; Islets of Langerhans--secretion--SE; Neuropeptides--metabolism--ME; Peptides--adverse effects--AE; Prolactin--blood--BL; Somatostatin--metabolism--ME; Somatotropin-Releasing Hormone--adverse effects--AE; Somatotropin--blood--BL; Somatotropin--secretion--SE
CAS Registry No.: 0 (Blood Glucose); 0 (Neuropeptides); 0 (Peptides); 0 (cortistatin); 0 (ghrelin); 11061-68-0 (Insulin); 12629-01-5 (Somatotropin); 50-23-7 (Hydrocortisone); 51110-01-1 (Somatostatin); 9002-60-2 (Corticotropin); 9002-62-4 (Prolactin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/71 (Item 15 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13496965 22003588 PMID: 12007539

Neuroendocrine and peripheral activities of ghrelin: implications in metabolism and obesity.

Apr 12 2002

Tags: Animal; Human; Support, Non-U.S. Gov't

Descriptors: *Gastrointestinal System--drug effects--DE; *Neurosecretory Systems--drug effects--DE; *Peptides--pharmacology--PD; Binding, Competitive; Cardiovascular System--drug effects--DE; Cardiovascular System--metabolism--ME; Cell Division--drug effects--DE; Energy Metabolism --drug effects--DE; Gastrointestinal Motility--drug effects--DE; Gastrointestinal System--physiology--PH; Neurosecretory Systems--metabolism --ME; Obesity--metabolism--ME; Obesity--physiopathology--PP; Peptides --metabolism--ME; Somatotropin--drug effects--DE; Somatotropin--secretion --SE

CAS Registry No.: 0 (Peptides); 0 (ghrelin); 9002-72-6 (Somatotropin)

3/8/72 (Item 16 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

13378851 21856969 PMID: 11867937

Evidence for a central inhibitory role of growth hormone secretagogues and ghrelin on gastric acid secretion in conscious rats.

Feb 2002

Tags: Animal; Male; Support, Non-U.S. Gov't

Descriptors: *Gastric Acid--secretion--SE; *Oligopeptides--pharmacology --PD; *Peptides--pharmacology--PD; *Somatotropin--metabolism--ME; Consciousness; Cysteamine--pharmacology--PD; Hypothalamus--drug effects--DE; Hypothalamus--metabolism--ME; Injections, Intraventricular, Ligation; Oligopeptides--chemical synthesis--CS; Peptides--chemical synthesis--CS; Rats; Rats, Sprague-Dawley; Somatostatin--metabolism--ME

CAS Registry No.: 0 (EP40737); 0 (Oligopeptides); 0 (Peptides); 0 (ghrelin); 140703-51-1 (hexarelin); 51110-01-1 (Somatostatin); 60-23-1 (Cysteamine); 9002-72-6 (Somatotropin)

3/8/73 (Item 17 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

13366360 22027430 PMID: 12030916

The GH-releasing effect of ghrelin, a natural GH secretagogue, is only blunted by the infusion of exogenous somatostatin in humans.

May 2002

Tags: Human; Male; Support, Non-U.S. Gov't

Descriptors: *Peptides--pharmacology--PD; *Somatostatin--pharmacology--PD ; *Somatotropin--secretion--SE; Adult; Analysis of Variance; Corticotropin --blood--BL; Hydrocortisone--blood--BL; Prolactin--blood--BL; Somatotropin --blood--BL; Somatotropin-Releasing Hormone--pharmacology--PD; Stimulation, Chemical

CAS Registry No.: 0 (Peptides); 0 (ghrelin); 50-23-7 (Hydrocortisone); 51110-01-1 (Somatostatin); 9002-60-2 (Corticotropin) ; 9002-62-4 (Prolactin); 9002-72-6 (Somatotropin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/74 (Item 18 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

13141207 21952672 PMID: 11956180

Short ghrelin peptides neither displace ghrelin binding in vitro nor stimulate GH release in vivo.

May 2002

Tags: Animal; Human; Male; Support, Non-U.S. Gov't

Descriptors: *Peptides--metabolism--ME; *Peptides--pharmacology--PD; *Somatotropin--metabolism--ME; Adult; Amino Acid Sequence; Animals, Newborn ; Binding, Competitive--drug effects--DE; Hypothalamus--drug effects--DE; Hypothalamus--metabolism--ME; Membranes--drug effects--DE; Membranes --metabolism--ME; Middle Age; Molecular Sequence Data; Pituitary Gland --drug effects--DE; Pituitary Gland--metabolism--ME; Rats

CAS Registry No.: 0 (Peptides); 0 (ghrelin); 9002-72-6
(Somatotropin)

3/8/75 (Item 19 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13015998 21886462 PMID: 11889202

Expression of ghrelin and of the GH secretagogue receptor by pancreatic islet cells and related endocrine tumors.

Mar 2002

Tags: Female; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Islets of Langerhans--metabolism--ME; *Pancreatic Neoplasms--metabolism--ME; *Peptides--metabolism--ME; *Receptors, Cell Surface--metabolism--ME; Adult; Aged; Immunohistochemistry; In Situ Hybridization; Middle Age; Peptides--genetics--GE; RNA, Messenger--metabolism--ME; Receptors, Cell Surface--genetics--GE; Reference Values; Reverse Transcriptase Polymerase Chain Reaction

CAS Registry No.: 0 (Peptides); 0 (RNA, Messenger); 0 (Receptors, Cell Surface); 0 (ghrelin); 0 (growth hormone secretagogue receptor)

3/8/76 (Item 20 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12752307 21655002 PMID: 11796502

The Antiproliferative Effect of Synthetic Peptidyl GH Secretagogues in Human CALU-1 Lung Carcinoma Cells.

Feb 2002

3/8/77 (Item 21 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

11377673 21486630 PMID: 11600590

Ghrelin, a natural GH secretagogue produced by the stomach, induces hyperglycemia and reduces insulin secretion in humans.

Oct 2001

Tags: Human; Male; Support, Non-U.S. Gov't
Descriptors: *Blood Glucose--analysis--AN; *Insulin--secretion--SE; *Peptides--pharmacology--PD; Adult; Oligopeptides--pharmacology--PD; Somatotropin--secretion--SE
CAS Registry No.: 0 (Blood Glucose); 0 (Oligopeptides); 0 (Peptides); 0 (ghrelin); 11061-68-0 (Insulin); 12629-01-5 (Somatotropin); 140703-51-1 (hexarelin)

3/8/78 (Item 22 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

11377667 21486624 PMID: 11600584

Ghrelin-producing endocrine tumors of the stomach and intestine.

Oct 2001

Tags: Female; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Carcinoid Tumor--chemistry--CH; *Intestinal Neoplasms--chemistry--CH; *Peptides--analysis--AN; *Stomach Neoplasms--chemistry--CH ; Adult; Aged; Aged, 80 and over; Carcinoid Tumor--pathology--PA; Hyperplasia; Immunohistochemistry; In Situ Hybridization; Intestinal Neoplasms--pathology--PA; Middle Age; Peptides--genetics--GE; RNA, Messenger--analysis--AN; Reverse Transcriptase Polymerase Chain Reaction; Somatotropin--secretion--SE; Stomach Neoplasms--pathology--PA
CAS Registry No.: 0 (Peptides); 0 (RNA, Messenger); 0 (ghrelin); 12629-01-5 (Somatotropin)

3/8/79 (Item 23 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

11194872 21219842 PMID: 11322506

Biologic activities of growth hormone secretagogues in humans.

Feb 2001

Tags: Human; Support, Non-U.S. Gov't

Descriptors: *Hormones, Synthetic--pharmacology--PD; *Somatotropin --metabolism--ME; *Somatotropin-Releasing Hormone--metabolism--ME; Age Factors; Cardiovascular System--drug effects--DE; Hormones, Synthetic --metabolism--ME; Models, Chemical; Oligopeptides--metabolism--ME; Oligopeptides--pharmacology--PD; Peptides--pharmacology--PD; Pituitary Gland--drug effects--DE; Pituitary Gland--secretion--SE; Prolactin --metabolism--ME; Receptors, Neuropeptide--metabolism--ME; Receptors, Pituitary Hormone-Regulating Hormone--metabolism--ME; Sex Factors; Thyroid Gland--drug effects--DE
CAS Registry No.: 0 (Hormones, Synthetic); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Neuropeptide); 0 (Receptors, Pituitary Hormone-Regulating Hormone); 0 (ghrelin); 0 (somatocrin receptor); 140703-51-1 (hexarelin); 9002-62-4 (Prolactin); 9002-72-6 (Somatotropin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/80 (Item 24 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

11194866 21219836 PMID: 11322500

Growth hormone-releasing hormone and growth hormone secretagogue-receptor ligands: focus on reproductive system.

Feb 2001

Tags: Animal; Female; Human; Male; Support, Non-U.S. Gov't

Descriptors: *Hormones, Synthetic--pharmacology--PD; *Receptors, Cell Surface--agonists--AG; *Somatotropin--secretion--SE; *Somatotropin-Releasing Hormone--metabolism--ME; Age Factors; Corticotropin--secretion--SE; Dose-Response Relationship, Drug; Hormones, Synthetic--chemical synthesis --CS; Hydrocortisone--secretion--SE; Hypothalamus--metabolism--ME; Oligopeptides--pharmacology--PD; Ovary--metabolism--ME; Peptides--pharmacology--PD; Pituitary Gland--metabolism--ME; Prolactin--secretion--SE; Receptors, Cell Surface--drug effects--DE; Testis--metabolism--ME
CAS Registry No.: 0 (Hormones, Synthetic); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Cell Surface); 0 (ghrelin); 0 (growth hormone secretagogue receptor); 50-23-7 (Hydrocortisone); 87616-84-0 (growth hormone releasing hexapeptide); 9002-60-2 (Corticotropin); 9002-62-4 (Prolactin); 9002-72-6 (Somatotropin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/81 (Item 25 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

11182634 21209680 PMID: 11314756

Binding of 125I-labeled ghrelin to membranes from human hypothalamus and pituitary gland.

Mar 2001

Tags: Human; Male; Support, Non-U.S. Gov't

Descriptors: *Cell Membrane--metabolism--ME; *Hypothalamus--metabolism --ME; *Iodine Radioisotopes; *Peptides--metabolism--ME; *Pituitary Gland --metabolism--ME; Binding, Competitive; Indoles--metabolism--ME; Middle Age ; Oligopeptides--metabolism--ME; Peptides--pharmacology--PD; Receptors, Cell Surface--analysis--AN; Receptors, Cell Surface--metabolism--ME; Somatostatin--analogs and derivatives--AA; Somatostatin--metabolism--ME; Spiro Compounds--metabolism--ME; Substance P--analogs and derivatives--AA; Substance P--metabolism--ME
CAS Registry No.: 0 (Indoles); 0 (Iodine Radioisotopes); 0 (L 163191); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Cell Surface) ; 0 (Spiro Compounds); 0 (ghrelin); 0 (growth hormone secretagogue receptor); 0 (vapreotide); 140703-51-1 (hexarelin); 33507-63-0 (Substance P); 51110-01-1 (Somatostatin); 96736-12-8 (substance P, Phe(5)-Trp(7,9)-Leu(11)-)

3/8/82 (Item 26 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

11181780 21195521 PMID: 11297611

Identification, characterization, and biological activity of specific receptors for natural (ghrelin) and synthetic growth hormone secretagogues and analogs in human breast carcinomas and cell lines.

Apr 2001

Tags: Female; Human; Support, Non-U.S. Gov't
Descriptors: *Breast Neoplasms--metabolism--ME; *Carcinoma--metabolism--ME; *Peptides--metabolism--ME; *Receptors, Cell Surface--metabolism--ME; Breast--cytology--CY; Breast--metabolism--ME; Breast Neoplasms--pathology--PA; Carcinoma--pathology--PA; Cell Line; Fibroadenoma--metabolism--ME; Fibroadenoma--pathology--PA; Indoles--metabolism--ME; Middle Age; Oligopeptides--metabolism--ME; Reference Values; Reverse Transcriptase Polymerase Chain Reaction; Somatotropin--secretion--SE; Spiro Compounds--metabolism--ME

CAS Registry No.: 0 (Indoles); 0 (L 163191); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Cell Surface); 0 (Spiro Compounds); 0 (ghrelin); 0 (tyrosyl-alanyl-hexarelin); 140703-51-1 (hexarelin); 9002-72-6 (Somatotropin)

3/8/83 (Item 27 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

11125966 21135980 PMID: 11238504

Endocrine activities of ghrelin, a natural growth hormone secretagogue (GHS), in humans: comparison and interactions with hexarelin, a nonnatural peptidyl GHS, and GH-releasing hormone.

Mar 2001

Tags: Comparative Study; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Oligopeptides--pharmacology--PD; *Peptides--pharmacology--PD; *Somatotropin-Releasing Hormone--pharmacology--PD; *Somatotropin--secretion--SE; Adult; Aldosterone--blood--BL; Corticotropin--blood--BL; Hydrocortisone--blood--BL; Kinetics; Oligopeptides--adverse effects--AE; Peptides--adverse effects--AE; Placebos; Prolactin--blood--BL; Somatotropin-Releasing Hormone--adverse effects--AE; Somatotropin--blood--BL
CAS Registry No.: 0 (Oligopeptides); 0 (Peptides); 0 (Placebos); 0 (ghrelin); 12629-01-5 (Somatotropin); 140703-51-1 (hexarelin); 50-23-7 (Hydrocortisone); 52-39-1 (Aldosterone); 9002-60-2 (Corticotropin); 9002-62-4 (Prolactin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/84 (Item 28 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

11107700 21118470 PMID: 11227737

Cortistatin, but not somatostatin, binds to growth hormone secretagogue (GHS) receptors of human pituitary gland.

Jan 2001

Tags: Female; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Neuropeptides--metabolism--ME; *Pituitary Gland--metabolism--ME; *Receptors, Cell Surface--metabolism--ME; *Somatostatin--metabolism--ME; Adult; Binding, Competitive; Cell Membrane--metabolism--ME; Middle Age; Oligopeptides--metabolism--ME; Peptides--metabolism--ME
CAS Registry No.: 0 (Neuropeptides); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Cell Surface); 0 (cortistatin); 0 (ghrelin); 0 (growth hormone secretagogue receptor); 140703-51-1 (hexarelin); 51110-01-1 (Somatostatin)

3/8/85 (Item 29 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

10964424 20513720 PMID: 11061542

Growth hormone secretagogue binding sites in peripheral human tissues.

Oct 2000

Tags: Female; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Growth Substances--metabolism--ME; *Indoles--metabolism--ME; *Oligopeptides--metabolism--ME; *Receptors, Cell Surface--metabolism--ME; *Somatotropin--secretion--SE; *Spiro Compounds--metabolism--ME; Adult; Binding Sites; Binding, Competitive--drug effects--DE; Iodine Radioisotopes--diagnostic use--DU; Kinetics; Membranes--drug effects--DE; Membranes

--metabolism--ME; Middle Age; Peptides--metabolism--ME; Radioligand Assay; Receptors, Cell Surface--drug effects--DE; Tissue Distribution
CAS Registry No.: 0 (Growth Substances); 0 (Indoles); 0 (Iodine Radioisotopes); 0 (L 163191); 0 (Oligopeptides); 0 (Peptides); 0 (Receptors, Cell Surface); 0 (Spiro Compounds); 0 (ghrelin); 12629-01-5 (Somatropin); 140703-51-1 (hexarelin)

3/8/86 (Item 30 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

10909096 20471784 PMID: 11021763

Preliminary evidence that Ghrelin, the natural GH secretagogue (GHS)-receptor ligand, strongly stimulates GH secretion in humans.

Sep 2000

Tags: Comparative Study; Human; Male; Support, Non-U.S. Gov't
Descriptors: *Peptides--pharmacology--PD; *Somatropin--secretion--SE; Adult; Peptides--adverse effects--AE; Somatotropin-Releasing Hormone --pharmacology--PD; Somatropin--blood--BL
CAS Registry No.: 0 (Peptides); 0 (ghrelin); 12629-01-5 (Somatropin); 9034-39-3 (Somatotropin-Releasing Hormone)

3/8/87 (Item 1 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02838427 EMBASE No: 2003036231

Acetylcholine does not play a major role in mediating the endocrine responses to ghrelin, a natural ligand of the GH secretagogue receptor, in humans
2003

3/8/88 (Item 2 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02836183 EMBASE No: 2003034003

Ghrelin is no longer able to stimulate growth hormone secretion in patients with Cushing's syndrome but instead induces exaggerated corticotropin and cortisol responses
2002

AUTHOR KEYWORDS: Ghrelin; Cushing's syndrome; Growth hormone; Corticotropin; Adrenal steroids; Growth hormone-releasing hormone

3/8/89 (Item 3 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02830960 EMBASE No: 2003028780

Ghrelin protects against ethanol-induced gastric ulcers in rats:
Studies on the mechanisms of action
2003

3/8/90 (Item 4 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02822711 EMBASE No: 2003020502

Ghrelin and des-acyl ghrelin inhibit cell death in cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT
2002

AUTHOR KEYWORDS: Ghrelin; Apoptosis; Heart; ERKs; Akt

3/8/91 (Item 5 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02813938 EMBASE No: 2003011711

Ghrelin -induced GH secretion in normal subjects is partially resistant to homologous desensitization by GH-releasing peptide-6

2002

3/8/92 (Item 6 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02810869 EMBASE No: 2003008641
Ghrelin: Endocrine and non-endocrine actions
2002
AUTHOR KEYWORDS: Ghrelin; Growth hormone; Growth hormone secretagogues; Insulin-like growth factor-I; Food intake; Cardiovascular system; Cancer; Metabolism

3/8/93 (Item 7 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02760125 EMBASE No: 2002419501
Ghrelin and synthetic GH secretagogues
2002
AUTHOR KEYWORDS: Ghrelin; GH secretagogues; Growth hormone; IGF-I; GH deficiency; Childhood; Short stature

3/8/94 (Item 8 from file: 172)
DIALOG(R)File 172:(c) 2003 Elsevier Science B.V. All rts. reserv.

02740528 EMBASE No: 2002399860
Natural (ghrelin) and synthetic (hexarelin) GH secretagogues stimulate H9c2 cardiomyocyte cell proliferation
2002
? ds

Set	Items	Description
S1	462	AU='DEGHENGHI' OR AU='DEGHENGHI R' OR AU='DEGHENGHI R.' OR AU='DEGHENGHI ROMANO'
S2	165	S1 AND (GHRELIN? OR ANTAGONIST?)
S3	94	S2 AND GHRELIN?

? type s3/full/20

3/9/20 (Item 20 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12983358 BIOSIS NO.: 200100190507
Endocrine activities of ghrelin, a natural growth hormone secretagogue (GHS), in humans: Comparison and interactions with hexarelin, a nonnatural peptidyl GHS, and GH-releasing hormone.
AUTHOR: Arvat Emanuel; Maccario Mauro; Di Vito Lidia; Broglio Fabio; Benso Andrea; Gottero Cristina; Papotti Mauro; Muccioli Giampiero; Dieguez Carlos; Casanueva Felipe F; Deghenghi Romano; Camanni Franco; Ghigo Ezio(a)
AUTHOR ADDRESS: (a)Divisione di Endocrinologia, Ospedale Molinette, Corso Dogliotti 14, 10126, Torino: ezio.ghigo@unito.it**Italy
JOURNAL: Journal of Clinical Endocrinology & Metabolism 86 (3):p1169-1174
March, 2001
MEDIUM: print
ISSN: 0021-972X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

ABSTRACT: An endogenous ligand for the GH secretagogue-receptor (GHS-receptor) has recently been isolated, from both the rat and the human stomach, and named ghrelin. It is a 28-amino-acid peptide showing a unique structure with an n-octanoyl ester at its third serine residue, which is essential for its potent stimulatory activity on somatotroph secretion. In fact, it has been demonstrated that ghrelin specifically stimulates GH secretion from both rat

pituitary cells in culture and rats *in vivo*. The aim of the present study was to test the GH-releasing activity of ghrelin in humans and to compare it with that of GHRH and hexarelin (HEX), a nonnatural peptidyl GHS, which possesses strong GH-releasing activity but also significantly stimulates PRL, ACTH, and cortisol secretion. To clarify the mechanisms of action underlying the GH-releasing activity of ghrelin in humans, its interaction with GHRH and HEX was also studied. Seven normal young volunteers (7 men; 24-32 yr old; body mass index, 20-24 kg/m²) were studied. All subjects underwent the administration of ghrelin, HEX, and GHRH-29 (1.0 μg/kg iv at 0 min) as well as placebo (2 mL isotonic saline iv at 0 min). Six subjects also underwent the combined administration of ghrelin and GHRH or HEX. Blood samples were taken every 15 min from -15 up to +180 min. GH levels were assayed at each time point in all sessions; PRL, ACTH, cortisol, and aldosterone levels were also assayed after administration of ghrelin and/or HEX.

Ghrelin administration induced a prompt and marked increase in circulating GH levels (Cmax, mean ± SEM, 92.1 ± 16.7 μg/L; area under the curve, 1894.9 ± 347.8 μg·L⁻¹·min⁻¹). The GH response to ghrelin was clearly higher ($P < 0.01$) than the one recorded after GHRH (26.7 ± 8.7 μg/L; 619.6 ± 174.4 μg·L⁻¹·min⁻¹) and even significantly higher ($P < 0.05$) than after HEX (68.4 ± 14.7 μg/L; 1546.9 ± 380.0 μg·L⁻¹·min⁻¹). Ghrelin administration also induced an increase in PRL, ACTH, and cortisol levels; these responses were higher ($P < 0.05$) than those elicited by HEX. A significant increase in aldosterone levels was recorded after ghrelin but not after HEX. The endocrine responses to ghrelin were not modified by the coadministration of HEX. On the other hand, the coadministration of ghrelin and GHRH had a real synergistic effect ($P < 0.05$) on GH secretion (133.6 ± 22.5 μg/L; 3374.3 ± 617.3 μg·L⁻¹·min⁻¹). In conclusion, ghrelin, a natural ligand of GHS-receptor, exerts a strong stimulatory effect on GH secretion in humans, releasing more GH than GHRH and even more than a non-natural GHS such as HEX. Ghrelin, as well as HEX, also stimulates lactotroph and corticotroph secretion. Ghrelin shows no interaction with HEX, whereas it has a synergistic effect with GHRH on GH secretion. Thus, ghrelin is a new hormone playing a major role in the control of somatotroph secretion in humans, and its effects are imitated by nonnatural GHS.

REGISTRY NUMBERS: 9002-60-2: ACTH; 52-39-1: ALDOSTERONE; 304853-26-7: GHRELIN; 9002-72-6: GROWTH HORMONE; 9034-39-3: GROWTH HORMONE-RELEASING HORMONE; 140703-51-1: HEXARELIN

DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Clinical Endocrinology (Human Medicine, Medical Sciences)

BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: human (Hominidae)--adult, male

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animals; Chordates; Humans; Mammals; Primates; Vertebrates

CHEMICALS & BIOCHEMICALS: ACTH; PRL; aldosterone; ghrelin--comparison, endocrine activity, growth hormone-releasing activity, interactions, mechanism of action, natural growth hormone secretagogue; growth hormone--release; growth hormone-releasing hormone; hexarelin --nonnatural peptidyl growth hormone secretagogue

METHODS & EQUIPMENT: immunoradiometric assay--analytical method, radioimmunoassay; radioimmunoassay--detection method, detection/labeling techniques

CONCEPT CODES:

10064 Biochemical Studies-Proteins, Peptides and Amino Acids

10060 Biochemical Studies-General

10067 Biochemical Studies-Sterols and Steroids

17002 Endocrine System-General

17014 Endocrine System-Pituitary

17020 Endocrine System-Neuroendocrinology (1972-)

BIOSYSTEMATIC CODES:

86215 Hominidae

? type s3/full/20ds

>>>'20DS' not recognized as item list

? ds

Set Items Description
S1 462 AU='DEGHENGHI' OR AU='DEGHENGHI R' OR AU='DEGHENGHI R.' OR
AU='DEGHENGHI ROMANO'
S2 165 S1 AND (GRELIN? OR ANTAGONIST?)
S3 94 S2 AND GRELIN?
? type s3/full/22

3/9/22 (item 22 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12761414 BIOSIS NO.: 200000515037
Growth hormone secretagogue binding sites in peripheral human tissues.
AUTHOR: Papotti Mauro; Ghe Corrado; Cassoni Paola; Catapano Filomena;
Deghenghi Romano; Ghigo Ezio; Muccioli Giampiero(a
AUTHOR ADDRESS: (a)Division of Pharmacology, Department of Anatomy,
Pharmacology and Forensic Medicine, University of Turin, Via P. Giuria
13, 10125, Turin**Italy
JOURNAL: Journal of Clinical Endocrinology & Metabolism 85 (10):p3803-3807
October, 2000
MEDIUM: print
ISSN: 0021-972X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

ABSTRACT: The family of GH secretagogues (GHS) includes peptidyl (hexarelin) and nonpeptidyl (MK 0677) molecules possessing specific receptors in the brain, pituitary, and thyroid. GHS receptor subtypes have also been identified in the heart; and a gastric-derived peptide, named ghrelin, has recently been proposed as a natural ligand. Our aim was to investigate the presence of GHS receptors in a wide range of human tissues, by radioreceptor assay with (125I)Tyr-Ala-hexarelin. GHS receptors were detected mainly in the myocardium, but they were also present (in order of decreasing binding activity) in adrenal, gonads, arteries, lung, liver, skeletal muscle, kidney, pituitary, thyroid, adipose tissue, veins, uterus, skin, and lymphnode. In contrast, negligible binding was found in parathyroid, pancreas, placenta, mammary gland, prostate, salivary gland, stomach, colon, and spleen. Hexarelin, MK 0677, and human ghrelin completely displaced the radioligand from binding sites of endocrine tissues, but MK 0677 and ghrelin were less potent than hexarelin. In nonendocrine tissues, both MK 0677 and ghrelin were inactive in displacement of (125I)Tyr-Ala-hexarelin, whereas hexarelin was as active as a displacing agent in endocrine tissues. This study provides the first detailed analysis of the tissue localization of GHS receptors and suggests that a still unknown receptor subtype, specific for peptidyl GHS, may exist in the heart and in other tissues.

REGISTRY NUMBERS: 159752-10-0: MK 0677; 140703-51-1: HEXARELIN

DESCRIPTORS:

MAJOR CONCEPTS: Endocrine System (Chemical Coordination and Homeostasis)

BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: human (Hominidae)

ORGANISMS: PARTS ETC: adipose tissue; adrenal gland--endocrine system; artery--circulatory system; colon--digestive system; gonads--reproductive system; kidney--excretory system; liver--digestive system; lung--respiratory system; lymph node--blood and lymphatics; immune system; mammary gland--reproductive system; myocardium--circulatory system; muscular system; pancreas--digestive system; endocrine system; parathyroid--endocrine system; pituitary--endocrine system; placenta--embryonic structure; reproductive system; prostate --reproductive system; salivary gland--dental and oral system; skeletal muscle--muscular system; skin--integumentary system; spleen --blood and lymphatics; immune system; stomach--digestive system; thyroid--endocrine system; uterus--reproductive system; vein--circulatory system

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animals; Chordates; Humans;

Mammals; Primates; Vertebrates

CHEMICALS & BIOCHEMICALS: MK 0677--expression; ghrelin; growth
hormone secretagogue receptors--tissue specific expression; hexarelin
--expression

CONCEPT CODES:

- 19004 Dental and Oral Biology-Physiology and Biochemistry
- 14004 Digestive System-Physiology and Biochemistry
- 14504 Cardiovascular System-Physiology and Biochemistry
- 15002 Blood, Blood-Forming Organs and Body Fluids-Blood and Lymph
Studies
- 15004 Blood, Blood-Forming Organs and Body Fluids-Blood Cell Studies
- 15504 Urinary System and External Secretions-Physiology and
Biochemistry
- 16004 Respiratory System-Physiology and Biochemistry
- 16504 Reproductive System-Physiology and Biochemistry
- 17002 Endocrine System-General
- 17504 Muscle-Physiology and Biochemistry
- 18504 Integumentary System-Physiology and Biochemistry
- 25502 Developmental Biology-Embryology-General and Descriptive
- 34502 Immunology and Immunochemistry-General; Methods

BIOSYSTEMATIC CODES:

- 86215 Hominidae
- ?
- ? ds

Set Items Description

- S1 462 AU='DEGHENGHI' OR AU='DEGHENGHI R' OR AU='DEGHENGHI R.' OR
AU='DEGHENGHI ROMANO'
 - S2 165 S1 AND (GHRELIN? OR ANTAGONIST?)
 - S3 94 S2 AND GHRELIN?
- ? s2 not s3
- 165 S2
 - 94 S3